AjustarSupresionRN

```
AjustarSupresionRN( A, x )
{ /* Ciclo principal */
while x ? root(A) and C(x) = black do {
   if x = left( p(x) ) then {
        w := right( p(x) );
        if C(w) = red then {
            1) C(w) := black;
               C(p(x)) := red;
               LeftRotate( A, p(x) );
               w := right( p(x) )
        };
        if ambos hijos de w son negros then {
            2) C(w) := red; x := p(x)
        } else {
            if C(right(w)) = black then {
                3) C( left(w) ) := black; C(w) := red;
                   RightRotate( A, w );
                   w := right( p(x) )
            };
            4) C(w) := C(p(x)); C(p(x) := black;
               C(right(w)) := black;
               LeftRotate( A, p(x) );
               x := root( A )
        }
   } else
   { código simétrico intercambiando "left" y "right" }
};
C(x) := black
```